WHAT IS CLAIMED IS:

1. An isolated peptide recognized by an ALLMOTI5, 107x178x4 or a PLZIP sequence search motif.

2. The peptide of Claim 1 wherein the peptide corresponds to a peptide present in a virus.

3. The peptide of Claim 2 in which the virus is HIV-1 or HIV-2.

4. The peptide of Claim 2 in which the virus is a respiratory syncytial virus.

5. The peptide of Claim 2 in which the virus is a human parainfluenza virus.

6. The peptide of Claim 2 in which the virus is an influenza virus.

7. The peptide of Claim 2 in which the virus is a hepatitis B virus.

8. The peptide of Claim 2 wherein the virus is an Epstein-Barr virus.

9. A method for the inhibition of transmission of a virus to a cell, comprising contacting the cell with an effective concentration of a peptide having a sequence recognized by an ALLMOTI5, 107x178x4 or a PLZIP sequence search motif for an effective period of time so that no infection of the cell by the virus occurs.

10. The method of Claim 9 wherein the virus is HIV-1 or HIV-2.

11. The method of Claim 9 wherein the virus is a respiratory syncytial virus.

12. The method of Claim 9 wherein the virus is a human parainfluenza virus.

13. The method of Claim 9 wherein the virus is an influenza virus.

14. The method of Claim 9 in which the virus is a hepatitis B virus.

15. The method of Claim 9 wherein the virus is an Epstein-Barr virus.